



02-16-07

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PATENT
674509-2028

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Jorn Borch Soe
U.S. Serial No. : 09/750,990
Filing Date : December 28, 2000
For : FOODSTUFF
Art Unit : 1761

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New York, NY 10151

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SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

The Examiner's attention is respectfully directed to the following documents set forth in the accompanying form PTO-1449. Copies of the cited references are enclosed. These documents were cited in a litigation relating to U.S. Patent No. 6,852,346, or were cited by Applicants in related applications through the submission of Information Disclosure Statements, or were cited documents from the US or foreign Patent Offices in related applications. Those

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documents cited in related applications (either by Applicant or by the relevant Patent Office) are marked on the enclosed PTO-1449 with an asterisk "*" in the second column providing alphabetic identifiers for each document, i.e., a document marked as "*AG" was cited in a related application. Applicants request that the Examiner consider and make of record the documents cited herein and that a copy of Form PTO-1449, initialed by the Examiner be returned to the Applicants' attorneys.

This Information Disclosure Statement is not a representation that the documents cited herein is considered most pertinent, or that a search has been undertaken or that the cited documents are indeed prior art. The Examiner is invited to undertake an independent search.

As this Information Disclosure Statement is being submitted before receipt of a first Office Action, no fee is deemed necessary. However, the Commissioner is authorized to charge any additional required fee for this paper, or credit any overpayment in fees to Deposit Account 50-0320.

Respectfully submitted,

FROMMER LAWRENCE & HAUG LLP
Attorneys for Applicants



Thomas J. Kowalski
Reg. No. 32,147

Angela M. Collison
Reg. No. 51,107
(212) 588-0800

References (9)

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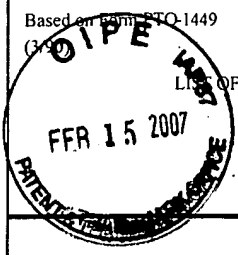
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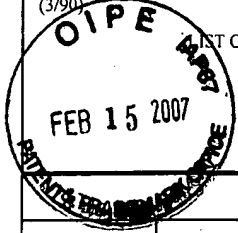
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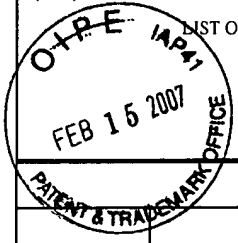
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	A	6815190	11/9/04	Abo			
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	*E	2002/0168746	11/14/02	Tsutsumi			
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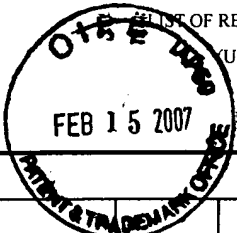
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	*DC	6143545	11/7/00	Clausen			
	DD	6146869	11/14/00	Harris			
	DE	6156548	12/5/00	Christensen			
	*DF	6180406	1/30/01	Stemmer			
	DG	6254645	7/3/01	Kellis			
	*DH	6344328	2/5/02	Short			
	DI	6350604	2/26/02	Hirayama			
	*DJ	6358543	3/19/02	Soe			
	*DK	6361974	3/26/02	Short			
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	DM	6432898	8/13/02	Rey			
	DN	6495357	12/17/02	Fuglsang			
	DO	6506588	1/14/03	Tsutsumi			
	DP	6509182	1/21/03	Tsutsumi			

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	A	Kunze, Hans, et al., "On the mechanism of lysophospholipase activity of secretory phospholipase A2 (EC 3.1.1.4): deacylation of monoacylphosphoglycerides by intrinsic sn-1 specificity and Ph-dependent acyl migration in combination with sn-2 specificity", <i>Biochimica et Biophysica Acta</i> , vol. 1346, 1997, pp. 86-92	
	B	Kuwabara, et al., "Purification and Some Properties of Water-soluble Phospholipase B from <i>Torulaspora delbrueckii</i> ", <i>J. Biochem.</i> , vol. 104, pp. 236-241, 1988	
	C	Kuwabara, et al., "Purification and Some Properties of Water-soluble Phospholipase", <i>Agric. Biol. Chem.</i> , vol. 52, no. 10, pp. 2451-2458, 1988	
	D	Kweon et al., "Phospholipid Hydolysate and Antistaling Amylase Effects on Retrogradation of Starch in Bread", <i>Journal of Food Science</i> , vol. 59, no. 5, 1994	
	*E	Larchenkova LP et al. Effect of starter and souring temperature on reproduction of E coli and lactobacilli in milk.	
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	H	LEE, Keun Hyeung, et al., "Identification and characterization of the antimicrobial peptide corresponding to C-terminal B-sheet domain of tenecin 1, an antibacterial protein of larvae of <i>Tenebrio molitor</i> ", <i>Biochem. J.</i> , 1996, vol. 334, pp. 99-105	
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	K	Leidich et al., "Cloning and Disruption of caPLB1, a Phospholipase B Gene Involved in the Pathogenicity of <i>Candida albicans</i> ", <i>The Journal of Biological Chemistry</i> , vol. 273, no. 40, oo. 26078-26086, 1998	
	L	Li, W., et al., "Surface properties and locations of gluten proteins and lipids revealed using confocal scanning laser microscopy in bread dough", <i>Journal of Cereal Science</i> , vol. 39, 2004, pp. 403-411	
	*M	Lih-ling Wang et al, <i>J Agric. Food. Chem.</i> (1993), 41, 1000-1005	
	N	Lima, Vera L.M., et al., "Lecithin-cholesterol acyltransferase (LCAT) as a plasma glycoprotein: an overview", <i>Carbohydrate Polymers</i> , vol. 55, 2004, pp. 179-191	
	*O	Lin M J Y et al, <i>Cereal Chemistry</i> (1974), vol 51(1), p34-45	
	*P	Lin S et al, <i>Enzyme and Microbial Technology</i> 18 (1996), pp 383-387	
	*Q	Lipase A "Amano" 6 Assay Note and Product Specification from Armano Pharmaceutical Co Ltd Nagoya Japan, 16 December 1985	
	*R	Lipase A "Amano" 6 Assay Note and Product Specification from Armano Pharmaceutical Co Ltd Nagoya Japan, 27 August 1985	
	*S	Lipase A "Amano" 6 product sheet, 1 April 1999	
	*T	Lipase SP677 as a Baking Enzyme, from Novo Nordisk, Denmark, 17 March 1994	
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*V		Lipopan F: Keep the quality - cut your costs 2000 Novozymes A/S. www.enzymes.novo.dk/cgl-bin/bvisapi.dll/biotimes/one_article.jsp?id=16947&lang=en&t=b1
W		Litthauer, Derek, et al., "Pseudomonas luteola lipase: A new member of the 320- residue Pseudomonas lipase family", <i>Enzyme and Microbial Technology</i> , vol. 30, pp. 209-215, 2002
X		Llustenberger, Cornelia, et al., "Application of Noopazyme in Asian Noodles and Non-Durum Pasta", <i>Cereal Food</i> , 2002-18584-01, page 1, vol. 11
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*Z		Lo Y-C et al. Crystal structure of Escherichia coli Thioesterase I/ProteaseI/Lysophospholipase L1: Consensus sequence blocks constitute the catalytic center of SGNH-hydrolases through a conserved hydrogen bond network. <i>Journal of Molecular Biology</i> , London, GB, vol 330, no 3, 539-551.
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*AD		Luzi, Paola et al, <i>Genomics</i> (1995), vol 26(2), p407-9
*AE		Madsen J.S. & Qvist K.B. (1997) <i>J. Food Sci.</i> 62, 579-582
AF		Mao, Cungui, et al., "Cloning and Characterization of a Saccharomyces cerevisiae Alkaline Ceramidase with Specificity for Dihydroceramide", <i>The Journal of Biological Chemistry</i> , vol. 275, no. 40, 2000, pp. 31369-31378
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*AN		Mase et al., "Purification and Characterization of a new Lipase from Fusarium sp. TM-30", <i>Biosci. Biotech. Biochem.</i> , vol. 59, no. 9, pp. 1771-1772, 1995

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	*AO	Mason, Research Disclosure, Kenneth Mason Publications, Westbourne GB no 390, October 1996, pages 661-662	
	AP	Masuda, Naoko, et al., "Primary structure of protein moiety of Penicillium notatum phospholipase B deduced from the Cdna", Eur. J. Biochem., vol. 202, pp. 783-787, 1991	
	*AQ	Matos AR, Lipid Catabolism: Lipid Degradation, 2000, p779-781	
	AR	Matos, A.R., et al., "A patatin-like protein with galactolipase activity is induced by drought stress in Vigna unguiculata leaves", Biochemical Society Transactions, vol. 28, part 6, 2000	
	*AS	Matos, AR et al, Febs Letters, 491 (2001) P188-192	
	*AT	Matsuda H et al, Biochim Biophys Acta, (1979), vol 573(1), p155-65	
	AU	Matsuoka, et al.; "Purification and properties of a Phospholipase C That has High Activity toward Sphingomyelin from <i>Aspergillus Saitoi</i> "; Biotechonology and Applied Biochemistry (1987); vol. 9, pp. 401-409	
	*AV	Matthes et al, (1984) EMBO J. 3, p801-805	
	AW	Max-Planck-Institut fur Kohlenforschung et al., "Controlling the enantioselectivity of enzymes by directed evolution: Practical and theoretical ramifications"	
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	BA	McNeill, Gerald P., et al., "Further Improvements in the Yield of Monoglycerides During Enzymatic Glycerolysis of Fats and Oils"	
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	BG	Meyer, V., et al., "Transcriptional regulation of the Antifungal Protein in <i>Aspergillus giganteus</i> ", Mol Genet Genomics, 2002, vol. 266, pp. 747-757	
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	*BI	Michalski et al., "Photosynthetic apparatus in chilling-sensitive plants. VII. Comparison of the effect of galactolipase treatment of chloroplasts and cold-dark storage of leaves on photosynthetic electron flow", Biochimica et Biophysica Acta, vol. 589, pp. 84-99, 1980	
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	BJ	Mielgo, I., et al., "Covalent immobilisation of manganese peroxidases (MnP) from <i>Phanerochaete chrysosporium</i> and <i>Bjerkandera</i> sp. BOS55", <i>Enzyme and Microbial Technology</i> , vol. 32, 2003, pp. 769-775	
	BK	Miller, Byron S., et al., "A Comparison of Cereal, Fungal, and Bacterial Alpha-Amylases as Supplements for Breadmaking", <i>Food Technology</i> , January 1953	
	*BL	Mine Y, <i>Food Research International</i> , 29(1), 1996, pp 81-84	
	BM	Ministerio da Ciencia e Tecnologia, <i>Diario Oficial da Uniao</i> , July 15, 2003	
	BN	Mogensen, Jesper E., et al., "Activation, Inhibition, and Destabilization of <i>Thermomyces lanuginosus</i> Lipase by Detergents", <i>Biochemistry</i> , vol. 44, pp. 1719-1730, 2005	
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	*BP	Molecular Biological Methods for <i>Bacillus</i> - Chapter 3 (Ed. C.R. Harwood and S.M. Cutting) 1990, John Wiley and Sons Ltd, Chichester, UK	
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	*BS	Monick John A., <i>Alcohols, Their Chemistry, Properties and Manufacture</i>	
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	BU	Moore, Charles M., et al., "Metal ion homeostasis in <i>Bacillus subtilis</i> ", <i>Current Opinion in Microbiology</i> , 2005, vol. 8, pp. 188-195	
	BV	Morgan, Keith R., et al., "Stalling in Starch Breads: The Effect of Antistaling α -Amylase", <i>Starch/Stärke</i> , vol. 49, 1997, pp. 59-66	
	BW	Morgan-Jones, Gareth; "NOTES ON COELOMYCETES.II. CONCERNING THE FUSICOCCUM ANAMORPH OF <i>BOTRYOSPHANERIA RIBIS</i> "; vol. Xxx, pp. 117-125; October-December 1987	
	*BX	Morinaga et al <i>Biotechnology</i> (1984) 2, p636-639	
	BY	Morten, T. & A., Letter, Rodovre, July 2004	
	BZ	Mukherjee, Kumar D. et al., "Enrichment of γ -linolenic acid from fungal oil by lipase-catalysed reactions", <i>Appl. Microbiol Biotechnol</i> (1991), Vol. 35, pp. 579-584	
	CA	Murakami, Mototake, et al., "Transesterification of Oil by Fatty Acid-Modified Lipase", Technical Research Institute	
	CB	Murakami, Nobutoshi, et al., "Enzymatic Transformation of Glyceroglycolipids into sn-1 and sn-2 Lysoglyceroglycolipids by use of <i>Rhizopus arrhizus</i> Lipase", <i>Tetrahedron</i> , vol. 50, no. 7, pp. 1993-2002, 1994	
	CC	Mustaranta, Annikka, et al., "Comparison of Lipases and Phospholipases in the Hydrolysis of Phospholipids", <i>Process Biochemistry</i> , vol. 30, no. 5, pp. 393-401, 1995	
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	CE	Nagano, et al.; "Cloning and Nucleotide Sequence of cDNA Encoding a Lipase from <i>Fusarium keteoroporum</i> "; <i>J. Biochem</i> (1994); Vol. 116; pp. 535-540	
	*CF	Nagao et al, <i>J. Biochem</i> 124, 1124-1129, 1998	
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	*CH		Nagao et al, J. of Molecular Catalysis B: Enzymatic 17 (2002) 125-132
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	CJ		Nagao, Toshihiro et al., "Cloning and Nucleotide Sequence of cDNA Encoding a Lipase from <i>Fusarium heterosporum</i> ", J. Biochem., vol. 116, pp. 535-540, 1994
	CK		Nagao, Toshihiro et al., "Expression of Lipase cDNA from <i>Fusarium heterosporum</i> by <i>Saccharomyces cerevisiae</i> : High-Level Production and Purification", Journal of Fermentation and Bioengineering, 1996, vol. 81, no. 6, pp. 488-492
	CL		Nagodawalthana et al., "Enzymes in Food Processing", Third Edition, 1993, Academic Press, Inc.
	CM		National Research Council (U.S.) Committee on Specifications of the Food Chemicals Codex, "Lipase Activity" in <i>Food Chemicals Codex</i> (1981) National Academy Press, Washington, D.C. pp. 492-3
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	CU		Newport, G., et al., "KEX2 Influences <i>Candida albicans</i> Proteinase Secretion and Hyphal Formation", The Journal of Biological Chemistry, 1997, Vol. 272, no. 46, pp. 28954-28961
	CV		Nicolas, Anne, et al., "Contribution of Cutinase Serine 42 Side Chain to the Stabilization of the Oxyanion Transition State", Biochemistry, vol. 35, pp. 398-410, 1996
	CW		Nielsen et al., "Lipases A and B from the yeast <i>Candida antarctica</i> "
	*CX		Nierle W et al, Fette Seifen Anstrichmittel (1981), vol 83(10), p391-395
	CY		Nierle, Von W. et al. "Weizenlipide: Funktion and Einflub bei der Verarbeitung des Mehles"
	CZ		Nierle, W., et al., "Versuche zur Verlangerung der Haltbarkeit von Dartoffelprodukten", Chem. Mikrobiol. Technol. Lebensm., 1975, Vol. 3, pp. 172-175
	*DA		Nobutoshi M et al, Tetrahedron Letters (1991), vol 31(1), p1331-4
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*DB	Novozymes data dated 17 July 2005 entitled "Baking performance of prior art lipases from <i>Humicola lanuginosa</i> , <i>Aspergillus tubigensis</i> , <i>Rhizopus delemar</i> and <i>Rhizomucor miehei</i> , and their activity on galactolipids in dough"
*DC	Novozymes Memo - Test of lipases for EP1193314B1, 6 July 2005
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DE	Novozymes, "Biowhitening - a new concept for steamed bread", <i>BioTimes</i> , January 2005
DF	Novozymes, "Breakthrough: Less Fattening Fried Food" <i>BioTimes</i> , June 2001, No. 2
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DH	Novozymes, "Lipopan F BG- application and mechanism of a new lipase for bread baking" (Draft) <i>Cereal Food</i> (2003) (Author: Drost-Lustenberger, C. et al.)
DI	Novozymes, "Lipopan F BG", <i>Cereal Foods</i>
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DN	Novozymes, "Product Sheet for Noopazyme"
DO	Novozymes, "Product Sheet for Novozym 27016" (draft); Novozymes, "Product Sheet for Novozym 27041" (draft)
DP	Novozymes, "Product Sheet for Novozym 27019" (draft)
DQ	Novozymes, "Product Sheet for Novozym 27080"
DR	Novozymes, "Product Sheet for Novozym 27106"
DS	Novozymes, "Product Sheet: Enzyme Business, Noopazyme" (draft)
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DV	Novozymes, "Revolutionizing baking", <i>BioTimes</i> (2002) pp. 6-7
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DX	Novozymes, "The Novozyme Touch: Make your mark on the future"
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EA	Novozymes, "The vital role of technical service in baking", <i>BioTimes</i> , June 2004
EB	Novozymes, Lipopan 50 BG, Product Sheet
EC	Novozymes, Lipopan 50 BG, Product Specification
ED	Novozymes, Lipopan F BG, Product Data Sheet

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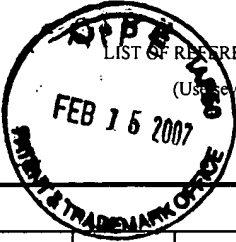
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EE	Novozymes, Lipopan FS BG, Product Sheet
*EF	Novozymes. Enzymes at work
EG	NY metode til aktivitetsbestemme fedtnedbrydende vaskemiddelenzy
EH	Nylander et al., "Interaction between lipids and lipases A collection of papers presented at the European Meeting on lipid and lipase interaction at Lund University"
*EI	Ognjenovic Radomir et al, Acceleration of ripening of semi-hard cheese by proteolytic and lipolytic enzymes
*EJ	Ohm, J.B., et al., "Relationships of Free Lipids with Quality Factors in Hard Winter Wheat Flours", Cereal Chem., vol. 79, no. 2, pp. 274-278, 2002
EK	Ohta, S. et al., "Application of Enzymatic Modification of Phospholipids on Breadmaking", Abstract from AACC 68th Annual Meeting in Kansas City, MO, Oct. 30th - Nov. 3, 1983, published in Cerial Foods World, p. 561.
EL	Ohta, Yoshifumi, et al., "Inhibition and Inactivation of Lipase by Fat Peroxide in the Course of Batch and Continuous Glycerolyses of Fat by Lipase", Agric. Biol. Chem., Vol. 53, No. 7, pp. 1885-1890, 1989
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EXAMINER	DATE CONSIDERED
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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

DX	West S.; "Olive and Other Edible Oils"; Industrial Enzymology (1996); pp. 295-299
DY	Whitaker, John R., et al., "Biocatalysis in Agricultural Biotechnology", ACS Symposium Series
DZ	Whitehead, Michael, et al., "Transformation of a nitrate reductase deficient mutant of <i>Penicillium chrysogenum</i> with the corresponding <i>Aspergillus niger</i> and <i>A. nidulans niaD</i> genes", <i>Mol Gen Genet</i> , 216: 408-411, 1989
EA	Wilhelm et al., "A Novel Lipolytic Enzyme Located in the Outer Membrane of <i>Pseudomonas aeruginosa</i> ", <i>Journal of Bacteriology</i> , vol. 181, no. 22, Nov. 1999, pp. 6977-6986
*EB	Williams et al Protein Analysis by Integrated Sample Preparation, Chemistry, and Mass Spectrometry, Edited by Meyers
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*EM	Yamaguchi et al, 1991, <i>Gene</i> 103:61-67
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